

XDS Series

your powerful n-in-1 on-site measurement station

+ Performance Specifications

Model	XDS3062A	XDS3102A	XDS3202A*	XDS3102	XDS3202E*	XDS3202*	XDS3302*
Bandwidth	60MHz	100MHz	200MHz	100MHz	200MHz	300MHz	
Sample Rate	1GS/s		1GS/s		2GS/s	2.5GS/s	
Vertical Resolution (A/D)	12 bits	14 bits		8 bits			
Record Length	40M						
Waveform Refresh Rate	75,000 wfms/s						
Horizontal Scale	2ns/div - 1000s/div	1ns/div - 1000s/div	2ns/div - 1000s/div	1ns/div - 1000s/div			
Rise Time (at input, typical)	≤5.8ns	≤3.5ns	≤1.7ns	≤3.5ns	≤1.7ns	≤1.17ns	
Channel	2+1 (external)						
Display	8" color LCD, 800 x 600 pixels						
Input Impedance	1MΩ ± 2%, in parallel with 15pF ± 5pF; (*50Ω ± 2%)						
Channel Isolation	50Hz : 100 : 1, 10MHz : 40 : 1						
Max Input Voltage	1MΩ ≤ 300Vrms; 50Ω ≤ 5Vrms						
DC Gain Accuracy	±1%			±3%			
DC Accuracy	average ≥ 16: ±(3% reading + 0.05 div) for ΔV						
Probe Attenuation Factor	0.001X - 1000X, step by 1 - 2 - 5						
LF Respond (AC, -3dB)	≥5Hz (at input, AC coupling, -3dB)						
Sample Rate / Relay Time Accuracy	±1ppm						
Interpolation	sin(x)/x, x						
Interval (ΔT) Accuracy (fullbandwidth)	Single: ±(1 interval time + 1ppm x reading + 0.6ns); Average > 16: ±(1 interval time + 1ppm x reading + 0.4ns)						
Input Coupling	DC, AC, and GND						
Vertical Sensitivity	1mV/div - 10V/div (at input)						
Trigger Type	Edge, Video, Pulse, Slope, Runt, Windows, Timeout, Nth Edge, Logic, I ² C, SPI, RS232, and CAN (optional)						
Bus Decoding (optional)	I ² C, SPI, RS232, and CAN						
Trigger Mode	Auto, Normal, and Single						
Vertical Range	±2V (1mv/div - 50mv/div), ±20V (100mv/div - 1V/div), ±200V (2V/div - 10V/div)						
Line / Field Frequency (video)	NTSC, PAL and SECAM standard						
Cursor Measurement	ΔV, and ΔT between cursors, ΔV and ΔT between cursors, and auto-cursors						
Automatic Measurement	Vpp, Vavg, Vrms, Freq, Period, Peak RMS, Cursor RMS, Vmax, Vmin, Vtop, Vbase, Vamp, Overshoot, Phase, Preshoot, Rise Time, Fall Time, +Width, -Width, +Duty, -Duty, Duty Cycle, Delay A→B, Delay A→B, +Pulse Count, -Pulse Count, Rise Edge Count, Fall Edge Count						
Waveform Math	+, -, *, /, FFT						
Waveform Storage	100 waveforms						
Lissajou's Figure	Bandwidth	full bandwidth					
	Phase Difference	±3 degrees					
Communication Interface	USB host, USB device, USB port for PictBridge, Trig Out (P/F), LAN, and VGA (optional)						
Frequency Counter	available						
Power Supply	100 - 240 V AC, 50/60Hz, CAT II						
Power Consumption	< 15W						
Fuse	2A, T class, 250V						
Battery (optional)	3.7V, 13200mAh						
Dimension (W x H x D)	340 x 177 x 90 (mm)						
Device Weight	2.60 kg						

+ Multimeter (optional) Specifications

Full Scale Reading	3½ digits (max 4000 count)	Diode	0V - 1.5V
Input Impedance	10MΩ	Continuity Test	<50 (±30) beeping
Capacitance	51.2nF - 100uF: ±(3% ± 3 digits)		
Voltage	VDC: 400mV, 4V, 400V: ±(1 ± 1 digit); max input: DC 1000V VAC: 4V, 40V, 400V: ±(1 ± 3 digits); frequency: 40Hz - 400Hz; max input: AC 400V (virtual value)		
Current	DC: 40mA, 400mA: ±(1.5% ± 1 digit); 10A: ±(3% ± 3 digits) AC: 40mA: ±(1.5% ± 3 digits), 400mA: ±(2% ± 1 digit), 10A: ±(3% ± 3 digits)		
Impedance	400Ω: ±(1% ± 3 digits), 4KΩ - 40MΩ: ±(1% ± 1 digit)		

+ Arb Waveform Generator (optional) Specifications

Max Frequency Output	25MHz	50MHz
Sample Rate	125MS/s	250MS/s
Channel	available in 1-ch, or 2-ch	
Vertical Resolution	14 bits	
Amplitude Range	10mVpp - 6Vpp	
Waveform Length	8K	
Standard Waveform	Sine, Square, Pulse, and Ramp	

+ Optional Module / Function

VGA	VGA+AV port
WIF	WiFi
AWG	arb waveform generator
DMM	digital multimeter
TOU*	touch screen (capacitor-type)

+ Optional Decoding Kit

RS232	RS232
SPI	SPI
I ² C	I ² C
CAN	CAN decoding

* TOU option could be equipped as standard option as per request.

Specifications subject to change without prior notice.

+ Application

electronic circuit debugging circuit testing design and manufacture
education and training automobile maintenance and testing

+ Accessories

The accessories subject to final delivery.



optional accessories:



mobile app accessible via scanning QR code